

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT (PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 349-040-P	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CA2004/001500	International filing date ( <i>day/month/year</i> ) 17 August 2004 (17-08-2004)	(Earliest) Priority date ( <i>day/month/year</i> ) 19 August 2003 (19-08-2003)
Applicant THE UNIVERSITY OF WESTERN ONTARIO		
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.		
<p>This international search report consists of a total of <u>4</u> sheets.</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.</p> <p><b>1. Basis of the report</b></p> <p style="padding-left: 20px;">a. With regard to the <b>language</b>, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p style="padding-left: 60px;"><input type="checkbox"/> the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).</p> <p style="padding-left: 20px;">b. <input type="checkbox"/> With regard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application, see Box No. I.</p> <p><b>2.</b> <input type="checkbox"/> Certain claims were found unsearchable (See Box II).</p> <p><b>3.</b> <input type="checkbox"/> Unity of invention is lacking (See Box III).</p> <p><b>4. With regard to the title.</b></p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p style="padding-left: 40px;"><input type="checkbox"/> the text has been established by this Authority to read as follows :</p> <p><b>5. With regard to the abstract.</b></p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p style="padding-left: 40px;"><input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.</p> <p><b>6. With regard to the drawings.</b></p> <p style="padding-left: 20px;">a. The figure of the drawings to be published with the abstract is Figure No. 4</p> <p style="padding-left: 60px;"><input checked="" type="checkbox"/> as suggested by the applicant.</p> <p style="padding-left: 60px;"><input type="checkbox"/> As selected by this authority, because the applicant failed to suggest a figure.</p> <p style="padding-left: 60px;"><input type="checkbox"/> As selected by this Authority, because this figure better characterizes the invention.</p> <p style="padding-left: 20px;">b. <input type="checkbox"/> None of the figures is to be published with the abstract.</p>		

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001500

## A. CLASSIFICATION OF SUBJECT MATTER

B05D-3/06, B05C-11/08, B05C-5/00, C04B-35/10, C23D-3/00, C23C-26/00

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B05D-3/06, B05C-11/08, B05C-5/00, C04B-35/10, C23D-3/00, C23C-26/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)

Delphion, USPTO, Canadian Patent Database, West, and Knovel

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Liakos et al.: "Self-assembly of mono-functional aliphatic molecules on magnetron sputtered aluminium" July 2003 <a href="http://www2.umist.ac.uk/corrosion/Alexander_Presentations/">http://www2.umist.ac.uk/corrosion/Alexander_Presentations/</a> page 3, paragraph 3; page 4, paragraph 1; page 4, paragraph 2; page 6, paragraph 1; page 7, paragraph 2; Discussion and conclusions pages 9-20.	1, 8, 9, 12, 15, 34, 37, 38, and 44
X	Hahner: "Organic Films (Langmuir-Blodgett Films and Self-Assembled Monolayers)" Encyclopaedia of Chemical Physics and Physical Chemistry, vol. 1-3, 2001, pages 15-37 page 15, paragraph 3; page 17, paragraph 4; page 17, paragraph 6; page 17, paragraph 7; page 18, paragraph 1; page 18, paragraph 2.	1, 8-10, 12-15, 34, 37-38, 40, 44, 51, 55, and 57-58

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international-type search  
21 December 2004 (21-12-2004)Date of mailing of the international-type search report  
19 January 2005 (19-01-2005)Name and mailing address of the ISA/  
Commissioner of Patents  
Canadian Patent Office - PCT  
Ottawa/Gatineau KIA 0C9  
Facsimile No. 1-819-953-9358Authorized officer  
Toby Maurice (819) 997-2963

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001500

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Hahner: "Organic Films (Langmuir-Blodgett Films and Self-Assembled Monolayers)" Encyclopaedia of Chemical Physics and Physical Chemistry, vol. 1-3, 2001, pages 15-37 the whole document	1-2, 4-13, 15-16, 34-35, 37-42, 44- 52, and 54-58
Y	CA 2,453,537 Guire et al. January 30, 2003 (2003.1.30) page 9, line 25; page 10, lines 1-19; and page 12, lines 1-5	1, 34, and 51
A	US 6,632,536 Buchwalter et al. Oct. 14, 2003 column 2, lines 23-36	1, 17, 34, 51
A	US 6,632,536 Buchwalter et al. Oct. 14, 2003 column 2, lines 23-36	1, 17, 34, 51

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/CA2004/001500

CA 2,453,537	20-02-2003	CA2453537 A1	20-02-2003
		EP1414819 A1	06-05-2004
		US2003060464 A1	27-03-2003
		WO03014118 A1	20-02-2003
US 6,632,536	14-10-2003	US6632536 B2	14-10-2003
		US2003211341 A1	13-11-2003
US 6,380,101	30-04-2002	GB0109462D D0	06-06-2001
		JP2002060979 A	28-02-2002
		US6380101 B1	30-04-2002